# **Refine Search**

#### Search Results -

Terms	Documents		
L5 AND 562/548	28		

US Pre-Grant Publication Full-Text Database

US Patents Full-Text Database

US OCR Full-Text Database

Database:

EPO Abstracts Database JPO Abstracts Database

Derwent World Patents Index

IBM Technical Disclosure Bulletins

Search:



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Interrupt

## **Search History**

DATE: Sunday, February 03, 2008

**Purge Queries** 

Printable Copy

Create Case

Set Name QueryHit Count Set Name result setside by sideTesult setDB = PGPB, USPT, USOC, EPAB, JPAB, DWPI, TDBD; PLUR = YES; OP = ADJL6L5 AND 562/54828L6

<u> </u>	13 TH 15 302/3 10		
<u>L5</u>	L4 AND 562/\$	113	<u>L5</u>
<u>L4</u>	L3 AND ACETIC ACID.TI.	2375	<u>L4</u>
<u>L3</u>	L2 AND (SN OR SB OR CU OR PT OR AG OR FE OR RE)	3957168	<u>L3</u>
<u>L2</u>	(MO OR W OR AU OR V OR NB)	12173500	<u>L2</u>
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DB=PGPB; PLUR=YES; OP=ADJ

<u>L1</u> 20070185349

1 L1

**END OF SEARCH HISTORY** 

## **Hit List**

First Hit Clear Generate Collection Print Fwd Refs Bkwd Refs

Generate OACS

Search Results - Record(s) 1 through 10 of 28 returned.

1. Document ID: US 20070185349 A1

L6: Entry 1 of 28

File: PGPB

Aug 9, 2007

PGPUB-DOCUMENT-NUMBER: 20070185349

PGPUB-FILING-TYPE:

DOCUMENT-IDENTIFIER: US 20070185349 A1

TITLE: Mixed metal oxide catalyst and process for production of acetic acid

PUBLICATION-DATE: August 9, 2007

INVENTOR-INFORMATION:

NAME

CITY

STATE

COUNTRY

Ellis; Brian

East Yorkshire

GB

US-CL-CURRENT: 562/548

Full Title	Citation	Front	Review	Classification	Date Reference	Sequences	Attachments	Claims	KWIC	Draw, De
<u> </u>										

2. Document ID: US 20060167314 A1

L6: Entry 2 of 28

File: PGPB

Jul 27, 2006

PGPUB-DOCUMENT-NUMBER: 20060167314

PGPUB-FILING-TYPE:

DOCUMENT-IDENTIFIER: US 20060167314 A1

TITLE: Process for converting methane to acetic acid

PUBLICATION-DATE: July 27, 2006

INVENTOR-INFORMATION:

NAME

CITY

STATE

COUNTRY

Periana; Roy A.

Marina Del Rey

CA

US

US-CL-CURRENT: <u>562/548</u>

Full Title Citation Front Review Classification Date Reference Sequences Attachments Claims KMC Draw De

3. Document ID: US 20030158440 A1

L6: Entry 3 of 28

File: PGPB

Aug 21, 2003

PGPUB-DOCUMENT-NUMBER: 20030158440

PGPUB-FILING-TYPE: new

DOCUMENT-IDENTIFIER: US 20030158440 A1

TITLE: Method for the selective production of acetic acid by catalytic oxidation of

ethane and/or ethylene

PUBLICATION-DATE: August 21, 2003

INVENTOR-INFORMATION:

NAME

CITY

STATE

COUNTRY

Zeyss, Sabine

Konigstein

DE

Dingerdissen, Uwe

Seeheim-Jugenheim

DE

US-CL-CURRENT: <u>562/548</u>

Full Title Citation Front Review	Classification Date Reference	Sequences Attachments	Claims	KMC Draw De
E 4 D	0277 D1			
4. Document ID: US 718	93//BI			
L6: Entry 4 of 28	File: USPT		Mar 13	, 2007 .

US-PAT-NO: 7189377

DOCUMENT-IDENTIFIER: US 7189377 B1

\*\* See image for Certificate of Correction \*\*

TITLE: Apparatus for performing integrated process for reproduction of vinyl acetate and/or acetic acid using a fluidized bed

Full Title Citation	Front	Review	Classification	Date	Reference	THE WAY	Charles for the	Claims	KWIC	Draw
		•					· · · · · · · · · · · · · · · · · · ·			
☐ 5. Documer	nt ID:	US 70	81549 B2			anggag panananan ang panang panang pananan at maganin at maganin at maganin at maganin at maganin at maganin a	garanna ann an garaigh an dhuinn ag aigeargan Ann an ar an an dh		ymn amhrana y gair a	

US-PAT-NO: 7081549

DOCUMENT-IDENTIFIER: US 7081549 B2

TITLE: Process for the production of acetic acid

PRIOR-PUBLICATION:

DOC-ID

DATE

US 20040030184 A1

February 12, 2004

Emil	Title	Citation	Front	Review	Classification	Date	Reference	The Market	The second	Claims	KMAC	Draint De
1 211	1100	Citation	1.0111	11-01-00	010331110311011	Dute	Helefellos	L	<u> </u>	0.10.11112		

☐ 6. Document ID: US RE39074 E

L6: Entry 6 of 28

File: USPT

Apr 18, 2006

Page 3 of 4

US-PAT-NO: RE39074

DOCUMENT-IDENTIFIER: US RE39074 E

TITLE: Process for the selective preparation of <u>acetic acid</u> using a molybdenum and palladium based catalytic oxide

7. Document ID: US 7015355 B2

L6: Entry 7 of 28

File: USPT

Mar 21, 2006

US-PAT-NO: 7015355

DOCUMENT-IDENTIFIER: US 7015355 B2

\*\* See image for Certificate of Correction \*\*

TITLE: Method for the selective production of acetic acid by catalytic oxidation of

ethane and/or ethylene

PRIOR-PUBLICATION:

DOC-ID

DATE

US 20030158440 A1

August 21, 2003

Full Title Citation Front Review Classification Date Reference

8. Document ID: US 6906221 B2

L6: Entry 8 of 28

File: USPT

Jun 14, 2005

US-PAT-NO: 6906221

DOCUMENT-IDENTIFIER: US 6906221 B2

TITLE: Method for producing acetic acid

Full Title Citation Front Review Classification Date Reference

9. Document ID: US 6867164 B2

L6: Entry 9 of 28

File: USPT

Mar 15, 2005

US-PAT-NO: 6867164

DOCUMENT-IDENTIFIER: US 6867164 B2

TITLE: Catalyst for production of <u>acetic acid</u> or <u>acetic acid</u> and ethyl acetate, process for its production and process for production of <u>acetic acid</u> or <u>acetic acid</u> and ethyl acetate using it

Full	Title	Citation	Front	Review	Classification	Date	Reference		Clai	ms k	WAC	Draws De
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					· //··				<del></del>		·/	
	10.	Docum	ent ID	): US 6	531631 B1							
1.6	Enta	rv 10 d	of 28			File:	USPT		Mar	11,	200	3

US-PAT-NO: 6531631

DOCUMENT-IDENTIFIER: US 6531631 B1

TITLE: Oxidation of ethane to acetic acid and ethylene using molybdenum and vanadium based catalysts

Full Title Citation	Front Review Classif	fication Date Reference		Claims KWC Draw, De
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Search Results - Record(s) 11 through 20 of 28 returned.

11. Document ID: US 6399816 B1

L6: Entry 11 of 28

File: USPT

Jun 4, 2002

US-PAT-NO: 6399816

DOCUMENT-IDENTIFIER: US 6399816 B1

TITLE: Method for selectively producing <u>acetic acid</u> through the catalytic oxidation of ethane

Full Title Citation Front Review Classification Date Reference

laims KWIC Draw.D

12. Document ID: US 6310241 B1

L6: Entry 12 of 28

File: USPT

Oct 30, 2001

US-PAT-NO: 6310241

DOCUMENT-IDENTIFIER: US 6310241 B1

TITLE: Catalysts methods for producing acetic acid from ethane oxidation using  $\underline{MO}$ ,  $\underline{V}$ , PD and  $\underline{NB}$  based catalysts, processes of making same and methods of using same

Full Title Citation Front Review Classification Date Reference

13. Document ID: US 6281385 B1

L6: Entry 13 of 28

File: USPT

Aug 28, 2001

US-PAT-NO: 6281385

DOCUMENT-IDENTIFIER: US 6281385 B1

TITLE: Process for preparing <u>acetic acid</u> by gas-phase oxidation of saturated C4-hydrocarbons and their mixtures with unsaturated C4-hydrocarbons

Full Title Citation Front Review Classification Date Reference

14. Document ID: US 6274765 B1

L6: Entry 14 of 28

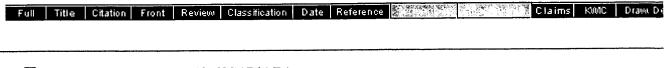
File: USPT

Aug 14, 2001

US-PAT-NO: 6274765

DOCUMENT-IDENTIFIER: US 6274765 B1

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15. Document ID: US 6274764 B1

L6: Entry 15 of 28

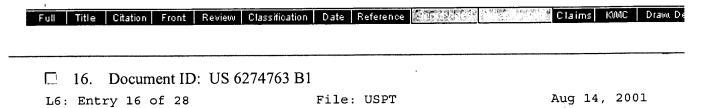
File: USPT

Aug 14, 2001

US-PAT-NO: 6274764

DOCUMENT-IDENTIFIER: US 6274764 B1

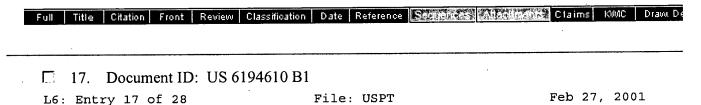
TITLE: Process for one step gas phase production of acetic acid from ethylene



US-PAT-NO: 6274763

DOCUMENT-IDENTIFIER: US 6274763 B1

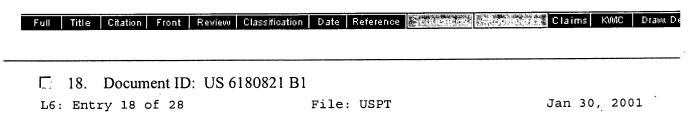
TITLE: Shell catalyst for producing <u>acetic acid</u> by gas phase oxidation of unsaturated C4 -hydrocarbons



US-PAT-NO: 6194610

DOCUMENT-IDENTIFIER: US 6194610 B1

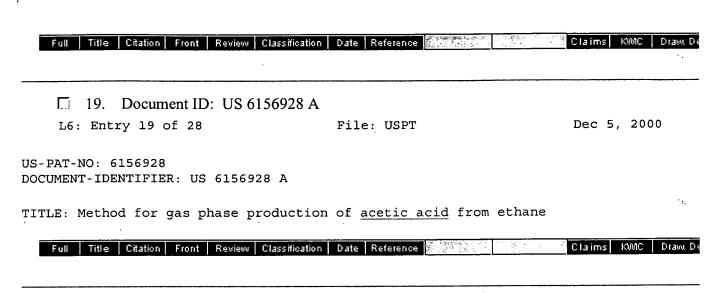
TITLE: Process for the selective preparation of  $\underline{acetic\ acid}$  using a molybdenum and palladium based catalytic oxide



US-PAT-NO: 6180821

DOCUMENT-IDENTIFIER: US 6180821 B1

TITLE: Integrated process for the production of vinyl acetate and/or acetic acid using a fluidized bed



20. Document ID: US 6130356 A

L6: Entry 20 of 28

File: USPT

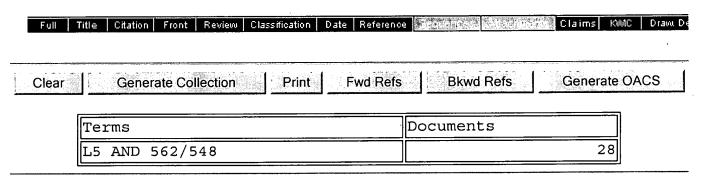
Oct 10, 2000

US-PAT-NO: 6130356

DOCUMENT-IDENTIFIER: US 6130356 A

TITLE: Catalysts for the oxidation of ethane to acetic acid, methods of making and

using the same



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Search Results - Record(s) 21 through 28 of 28 returned.

21. Document ID: US 6040474 A

L6: Entry 21 of 28

File: USPT

Mar 21, 2000

US-PAT-NO: 6040474

DOCUMENT-IDENTIFIER: US 6040474 A

TITLE: Integrated process for the production of vinyl acetate and/or acetic acid

Full Title Citation Front Review Classification Date Reference Company Claims KVMC Draw. De

☐ 22. Document ID: US 6034270 A

L6: Entry 22 of 28

File: USPT

Mar 7, 2000

US-PAT-NO: 6034270

DOCUMENT-IDENTIFIER: US 6034270 A

TITLE: Process for the selective preparation of  $\frac{\text{acetic acid}}{\text{acid}}$  using a molybdenum, palladium, and rhenium catalyst

Full Title Citation Front Review Classification Date Reference Claims KWC Draw Ds

C 23. Document ID: US 6028221 A

L6: Entry 23 of 28

File: USPT

Feb 22, 2000

US-PAT-NO: 6028221

DOCUMENT-IDENTIFIER: US 6028221 A

TITLE: Catalyst systems for the one step gas phase production of <u>acetic acid</u> from ethylene and methods of making and using the same

Full Title Citation Front Review Classification Date Reference Claims KMC Draw De

C 24. Document ID: US 5210293 A

L6: Entry 24 of 28

File: USPT

May 11, 1993

US-PAT-NO: 5210293

DOCUMENT-IDENTIFIER: US 5210293 A

TITLE: Process and catalyst for the production of ethylene and acetic acid

Full Title Citation Front Review Classification Date Reference Control Section Section Claims KMC Draw. De

25. Document ID: US 5162578 A

L6: Entry 25 of 28

File: USPT

Nov 10, 1992

US-PAT-NO: 5162578

DOCUMENT-IDENTIFIER: US 5162578 A

\*\* See image for Certificate of Correction \*\*

TITLE: Acetic acid from ethane, ethylene and oxygen

Full Title Citation Front Review Classification Date Reference

☐ 26. Document ID: US 4935549 A

L6: Entry 26 of 28

File: USPT

Jun 19, 1990

US-PAT-NO: 4935549

DOCUMENT-IDENTIFIER: US 4935549 A

TITLE: Process for producing acetic acid

Full Title Citation Front Review Classification Date Reference

☐ 27. Document ID: US 4219671 A

L6: Entry 27 of 28

File: USPT

Aug 26, 1980

US-PAT-NO: 4219671

DOCUMENT-IDENTIFIER: US 4219671 A

TITLE: Oxidation of butene to acetic acid

28. Document ID: US 4146734 A

L6: Entry 28 of 28

File: USPT

Mar 27, 1979

US-PAT-NO: 4146734

DOCUMENT-IDENTIFIER: US 4146734 A

\*\* See image for Certificate of Correction \*\*

TITLE: Oxidation of butene to acetic acid and catalyst therefor

Full Title Citation Front Review Classification Date Reference Cartes Claims KWC Draw. Do

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